

ABSTRACT OF THE INVENTION

A disc drive assembly is provided including a head disc assembly, a housing having a base and a cover cooperating with one another to form a chamber in which the head disc assembly is housed, and a damper structure in operative association with the housing for dampening noise and/or vibration emanated from the head disc assembly. The damper structure includes a viscoelastic damper layer and a continuous, polymeric constraining layer intimately contacting and encasing the viscoelastic damper layer. The constraining layer has a greater stiffness and higher modulus of dynamic shearing elasticity than the viscoelastic damper layer, and is molded from a high density filler and a moldable compound that is immiscible with the viscoelastic damper layer to provide a discrete interface between the constraining layer and the viscoelastic damper layer.